



Case: 4130

Contractor: S-CUBED

**TENTATIVELY IDENTIFIED COMPOUNDS
MATCH ASSESSMENT**

NOTE: Reviewer should note directly on Organic Analysis Data Sheet (OADS) those matches that in his opinion (based on contract criteria) are unreasonable.

CRITERIA

- (1) Relative intensities of major ions (>10%) reference spectrum should be present in the sample spectrum.
- (2) Relative intensities of major ions in sample spectrum should agree to within $\pm 20\%$ of reference spectrum intensities.
- (3) Molecular ions present in reference spectrum should be present in sample spectrum.
- (4) Ions present in sample spectrum, but not in reference spectrum should be reviewed for possible background contamination or presence of coeluting interferences.
- (5) Ions present in reference spectrum, but not in the sample spectrum should be reviewed for possible subtraction from the sample spectrum because of background contamination or coeluting interferences.
- (6) If, in the reviewer's opinion, no valid identification can be made the compound should be labelled as "unknown" and the initials and date of the reviewer placed on the OADS.

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Sample Number

ED 105

Organics Analysis Data Sheet
(Page 4)

Tentatively Identified Compounds

CAS Number	Compound Name	Fraction	RT or Scan Number	Estimated Concentration (ug/l or ug/kg)
1. NA	NDNC	VDA	NA	NA
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Sample Number
ED 106

Organics Analysis Data Sheet
(Page 4)

Tentatively Identified Compounds

CAS Number	Compound Name	Fraction	RT or Scan Number	Estimated Concentration (ug/l or ug/kg)
1. NA	UNKNOWN	VOA	225	57.1
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ORGANICS ANALYSIS DATA SHEET
(PAGE 4)

TENTATIVELY IDENTIFIED COMPOUNDS

CAS #	COMPOUND NAME	FRACTION	SCAN	ESTIMATED CONCENTRATION	
				UG/L	UG/KG
1	UNKNOWN	ABN	459	17.0	JB
2	UNKNOWN	ABN	349	16.0	JB
3	127-18-4 ETHENE, TETRACHLORO-	ABN	379	12.0	JB
4	NONE	VOA	NA	NA	

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SAMPLE NUMBER: ED108

ORGANICS ANALYSIS DATA SHEET
(PAGE 4)

TENTATIVELY IDENTIFIED COMPOUNDS

	CAS #	COMPOUND NAME	FRACTION	SCAN	ESTIMATED CONCENTRATION
					UG/L or UG/KG
1	127-18-4	ETHENE, TETRACHLORO-	ABN	383	11.0 JB
2		UNKNOWN	VOA	42	5.6 JB

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ORGANICS ANALYSIS DATA SHEET
(PAGE 4)

TENTATIVELY IDENTIFIED COMPOUNDS

CAS #	COMPOUND NAME	FRACTION	SCAN	ESTIMATED CONCENTRATION	
				UG/L	UG/KG
1	928-94-9 2-HEXEN-1-OL, (Z)-	ABN	499	35.0	J
2	UNKNOWN	ABN	511	24.0	J
3	127-18-4 ETHENE, TETRACHLORO-	ABN	371	9.3	JB
4	UNKNOWN	VOA	220	43	J
5	UNKNOWN	VOA	42	5.8	JB

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ORGANICS ANALYSIS DATA SHEET
(PAGE 4)

TENTATIVELY IDENTIFIED COMPOUNDS

CAS #	COMPOUND NAME	FRACTION	SCAN	ESTIMATED CONCENTRATION	
				UG/L	UG/KG
1	UNKNOWN	ABN	1606	265.0	J
2	UNKNOWN	ABN	353	45.0	JB
3	127-18-4 ETHENE, TETRACHLORO-	ABN	384	20.0	JB
4	UNKNOWN	VOA	44	6.8	JB

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SAMPLE NUMBER: ED111

ORGANICS ANALYSIS DATA SHEET
(PAGE 4)

TENTATIVELY IDENTIFIED COMPOUNDS

CAS #	COMPOUND NAME	FRACTION	SCAN	ESTIMATED CONCENTRATION	
				UG/L	UG/KG
1	UNKNOWN	ABN	1598	23.0	J
2	UNKNOWN	ABN	1791	12.0	J
3	NONE	VOA	NA	NA	NA

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Sample Number

ED 112

Organics Analysis Data Sheet
(Page 4)

Tentatively Identified Compounds

CAS Number	Compound Name	Fraction	RT or Scan Number	Estimated Concentration (ug/l or ug/kg)
1. 127-18-4	TETRACHLOROETHENE	ABN	368	12 JB
2. NA	UNKNOWN	ABN	1598	30 J
3. NA	UNKNOWN	VDA	40	5.1 JB
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ORGANICS ANALYSIS DATA SHEET
(PAGE 4)

TENTATIVELY IDENTIFIED COMPOUNDS

CAS #	COMPOUND NAME	FRACTION	SCAN	ESTIMATED CONCENTRATION	
				UG/L	UG/KG
1	127-18-4 ETHENE, TETRACHLORO-	ABN	390	14.0	JB
2	UNKNOWN	ABN	467	14.0	JB
3	UNKNOWN	VOA	95	13	✓

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05-8303-01D 110213
 BLOOMINGDALE - MALLARD LAKE
 Immediate Removal Action Check Sheet

	High	Moderate	Low	
<u>Fire and Explosion Hazard</u>				
Flammable Materials _____			✓	
Explosives _____				N/A
Incompatible Chemicals _____				N/A
<u>Direct Contact with Acutely Toxic Chemicals</u>				
Site Security _____				N/A
Leaking Drums or Tanks _____				N/A
Open Lagoons or pits _____				N/A
Materials on Surface _____				
Proximity of Population _____			✓	
Evidence of Casual Site Use _____			✓	
<u>Contaminated Water Supply</u>				
Exceeds 10 Day Snarl _____				—
Gross Taste or Odors _____				—
Alternate Water Available _____				—
Potential Contamination _____				—
Is the site abandoned or <u>active?</u>				

Comments: Site is active landfill that now accepts only solid wastes.
 Had previously accepted liquid wastes. Area is serviced by
 deeper aquifers (bedrock).